

1 HOUSE BILL NO. 533

2 INTRODUCED BY R. STOKER

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4 A BILL FOR AN ACT ENTITLED: "AN ACT PROVIDING THAT NITRATE AS NITROGEN IN GROUND WATER
5 IS NOT SIGNIFICANT IF THE PREDICTED CONCENTRATION AT THE BOUNDARY OF THE MIXING ZONE
6 DOES NOT EXCEED 10 MILLIGRAMS PER LITER; AND AMENDING SECTION 75-5-301, MCA."

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8 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MONTANA:

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10 **Section 1.** Section 75-5-301, MCA, is amended to read:

11 **"75-5-301. Classification and standards for state waters.** Consistent with the provisions of 80-15-201
12 and this chapter, the board shall:

13 (1) establish the classification of all state waters in accordance with their present and future most
14 beneficial uses, creating an appropriate classification for streams that, due to sporadic flow, do not support an
15 aquatic ecosystem that includes salmonid or nonsalmonid fish;

16 (2) (a) formulate and adopt standards of water quality, giving consideration to the economics of waste
17 treatment and prevention. When rules are adopted regarding temporary standards, they must conform with the
18 requirements of 75-5-312.

19 (b) Standards adopted by the board must meet the following requirements:

20 (i) for carcinogens, the water quality standard for protection of human health must be the value
21 associated with an excess lifetime cancer risk level, assuming continuous lifetime exposure, not to exceed 1×10^{-3}
22 10^{-3} in the case of arsenic and 1×10^{-5} for other carcinogens. However, if a standard established at a risk level
23 of 1×10^{-3} for arsenic or 1×10^{-5} for other carcinogens violates the maximum contaminant level obtained from
24 40 CFR, part 141, then the maximum contaminant level must be adopted as the standard for that carcinogen.

25 (ii) standards for the protection of aquatic life do not apply to ground water.

26 (3) review, from time to time at intervals of not more than 3 years and, to the extent permitted by this
27 chapter, revise established classifications of waters and adopted standards of water quality;

28 (4) adopt rules governing the granting of mixing zones, requiring that mixing zones granted by the
29 department be specifically identified and requiring that mixing zones have:

30 (a) the smallest practicable size;

- 1 (b) a minimum practicable effect on water uses; and
- 2 (c) definable boundaries;
- 3 (5) adopt rules implementing the nondegradation policy established in 75-5-303, including but not
- 4 limited to rules that:
- 5 (a) provide a procedure for department review and authorization of degradation;
- 6 (b) establish criteria for the following:
- 7 (i) determining important economic or social development; and
- 8 (ii) weighing the social and economic importance to the public of allowing the proposed project against
- 9 the cost to society associated with a loss of water quality;
- 10 (c) establish criteria for determining whether a proposed activity or class of activities, in addition to those
- 11 activities identified in 75-5-317, will result in nonsignificant changes in water quality for any parameter in order
- 12 that those activities are not required to undergo review under 75-5-303(3). These criteria must be established
- 13 in a manner that generally:
- 14 (i) equates significance with the potential for harm to human health, a beneficial use, or the
- 15 environment;
- 16 (ii) considers both the quantity and the strength of the pollutant;
- 17 (iii) considers the length of time the degradation will occur;
- 18 (iv) considers the character of the pollutant so that greater significance is associated with carcinogens
- 19 and toxins that bioaccumulate or biomagnify and lesser significance is associated with substances that are less
- 20 harmful or less persistent.
- 21 (d) provide that changes of nitrate as nitrogen in ground water are nonsignificant if the discharge will
- 22 not cause degradation of surface water and the predicted concentration of nitrate as nitrogen at the boundary
- 23 of the ground water mixing zone does not exceed:
- 24 ~~—— (i) 7.5 milligrams per liter from sources other than sewage;~~
- 25 ~~—— (ii) 5.0 milligrams per liter from sewage discharged from a system that does not use level two treatment~~
- 26 ~~in an area where the ground water nitrate as nitrogen is 5.0 milligrams per liter or less;~~
- 27 ~~—— (iii) 7.5 milligrams per liter from sewage discharged from a system using level two treatment, which must~~
- 28 ~~be defined in the rules; or~~
- 29 ~~—— (iv) 7.5 milligrams per liter from sewage discharged from a system in areas where the ground water~~
- 30 ~~nitrate as nitrogen level exceeds 5.0 milligrams per liter primarily from sources other than human waste. 10~~

1 milligrams per liter; and

2 (6) to the extent practicable, ensure that the rules adopted under subsection (5) establish objective and
3 quantifiable criteria for various parameters. These criteria must, to the extent practicable, constitute guidelines
4 for granting or denying applications for authorization to degrade high-quality waters under the policy established
5 in 75-5-303(2) and (3).

6 (7) adopt rules to implement this section."

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